

1. A window assembly comprising a rectangular outer sash frame including a set of elongated sash frame members of extruded rigid plastics material with said sash frame members rigidly connected at corner portions of said sash frame, a set of parallel spaced rectangular inner and outer glass panels surrounded by said outer sash frame, said sash frame members including flange portions projecting laterally inwardly and overlapping a peripheral edge portion of said outer glass panel, a rectangular inner sub-sash frame disposed within said outer sash frame and including elongated sub-sash frame members of extruded rigid plastics material, said sub-sash frame members including laterally inwardly projecting flange portions overlapping a peripheral edge portion of at least one of said glass panels, a bonding material securing said flange portions of said sub-sash frame members to said peripheral edge portion of said one glass panel, a set of elongated glazing members of extruded plastics material, said glazing members including laterally inwardly projecting flange portions overlapping a peripheral edge portion of said inner glass panel, and said glazing members including retaining portions engaging said outer sash frame.
2. A window assembly as defined in claim 1 wherein said sash frame members and said sub-sash frame members have longitudinally extending interfitting portions limiting lateral movement of said sub-sash frame within said sash frame.
3. A window assembly as defined in claim 1 wherein sub-sash frame members are rigidly connected at corner portions of said sub-sash frame.
4. A window assembly as defined in claim 3 wherein said sub-sash frame members are mitered and welded at said corner portions of said sub-sash frame.
5. A window assembly as defined in claim 1 wherein each of said sub-sash frame members includes a base portion integrally connected to a corresponding said flange portion, and said base portion has generally an H-shape cross-sectional configuration and covers outer edge surfaces of said glass panels.
6. A window assembly as defined in claim 1 wherein each of said sash frame members includes an inner wall defining a recess, and said retaining portion of the corresponding said glazing member comprises a spring-like flange

portion seated within said recess and pressing against the corresponding said sub-sash frame member.

7. A window assembly as defined in claim 1 wherein said inner sub-sash frame closely surrounds and covers outer peripheral edge surfaces of said glass panels.

8. A window assembly as defined in claim 1 and including a rectangular spacer frame disposed between said peripheral edge portions of said glass panels, a bonding material surrounding said spacer frame and bonded to said edge portions of said glass panels, and said sub-sash frame surrounds said bonding material and outer edge surfaces of said glass panels.

9. A window assembly as defined in claim 1 wherein each of said sub-sash frame members includes integrally connected and parallel spaced longitudinally extending wall portions projecting laterally inwardly between said edge portions of said glass panels and bonded to said edge portions of both said glass panels.

10. A window assembly as defined in claim 9 wherein each of said sub-sash members includes a base portion integrally connecting said wall portions and having a generally H-shape cross-sectional configuration.

11. A window assembly as defined in claim 9 wherein each of said sub-sash frame members includes a base portion closely surrounding and covering peripheral edge surfaces of said glass panels.

12. A window assembly comprising a rectangular outer sash frame including a set of elongated sash frame members of extruded rigid plastics material with said sash frame members rigidly connected at corner portions of said sash frame, a set of parallel spaced rectangular inner and outer glass panels surrounded by said outer sash frame, said sash frame members including flange portions projecting laterally inwardly and overlapping a peripheral edge portion of said outer glass panel, said flange portions having integral flexible lip seals engaging said outer glass panel, a rectangular inner sub-sash frame disposed within said outer sash frame and including elongated sub-sash frame members of extruded rigid plastics material, said sub-sash frame members including laterally inwardly projecting flange portions overlapping a peripheral edge

portion of at least one of said glass panels, a bonding material securing said flange portions of said sub-sash frame members to said peripheral edge portion of said one glass panel, a set of elongated glazing members of extruded plastics material, said glazing members including laterally inwardly projecting flange portions overlapping a peripheral edge portion of said inner glass panel, and said glazing members including retaining portions releasably engaging said outer sash frame and spring-like flange portions releasably engaging said sub-sash frame.

13. A window assembly as defined in claim 12 wherein said sash frame members and said sub-sash frame members have longitudinally extending interfitting portions limiting lateral movement of said sub-sash frame within said outer sash frame.

14. A window assembly as defined in claim 12 wherein sub-sash frame members are rigidly connected at corner portions of said sub-sash frame.

15. A window assembly as defined in claim 14 wherein said sub-sash frame members are mitered and welded at said corner portions of said sub-sash frame.

16. A window assembly as defined in claim 12 wherein each of said sub-sash frame members includes a base portion integrally connected to a corresponding said flange portion, and said base portion has generally an H-shape cross-sectional configuration and covers outer edge surfaces of said glass panels.

17. A window assembly as defined in claim 12 wherein each of said sash frame members includes an inner wall defining a recess, and said retaining flange portion of the corresponding said glazing member seats within said recess and presses laterally inwardly against the corresponding said sub-sash frame member.

18. A window assembly comprising a rectangular outer sash frame including a set of elongated sash frame members of extruded rigid plastics material with said sash frame members rigidly connected at corner portions of said sash frame, a set of parallel spaced rectangular inner and outer glass panels surrounded by said outer sash frame, said sash frame members including flange

portions projecting laterally inwardly and overlapping a peripheral edge portion of said outer glass panel, said flange portions having integral flexible lip seals engaging said outer glass panel, a rectangular inner sub-sash frame disposed within said outer sash frame and including elongated sub-sash frame members of extruded rigid plastics material, said sub-sash frame members rigidly connected at corner portions of said sub-sash frame and including laterally inwardly projecting flange portions overlapping a peripheral edge portion of said outer glass panel, a bonding material securing said flange portions of said sub-sash frame members to said peripheral edge portion of said outer glass panel, said flange portions of said sash frame members having inwardly projecting longitudinally extending ribs, said sub-sash frame members have base portions with longitudinally extending slots receiving said ribs to limit lateral movement of said sub-sash frame within said outer sash frame, a set of elongated glazing members of extruded plastics material, said glazing members including laterally inwardly projecting flange portions overlapping a peripheral edge portion of said inner glass panel, and said glazing members including retaining portions releasably engaging said outer sash frame and spring-like flange portions releasably engaging said base portions of said sub-sash frame members.

19. A window assembly as defined in claim 18 wherein said sub-sash frame members are mitered and welded at said corner portions of said sub-sash frame.

20. A window assembly as defined in claim 18 wherein said base portion of each said sub-sash frame member has inwardly and outwardly facing grooves and a generally H-shape cross-sectional configuration, and said base portions cover outer edge surfaces of said glass panels.